PTO/SB/21 (08-03) Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it displays a valid OMB control number the Paperwork Reduction Act of 1995, no persons Application Number 10/625,759 Filing Date TRANSMITTAL July 22, 2003 **FORM** First Named Inventor Gopichandra Surnilla Art Unit (to be used for all correspondence after initial filing) **Examiner Name** Attorney Docket Number 203-0484 (FGT 304) Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication to Group Drawing(s) Fee Transmittal Form Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Petition Amendment/Reply Petition to Convert to a Proprietary Information **Provisional Application** After Final Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please X Terminal Disclaimer Identify below): **Extension of Time Request** -copies of references Request for Refund **Express Abandonment Request** CD, Number of CD(s) X Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm John D. Russell, Reg. No. 47,048 Kolisch Hartwell, P.C. Individual name Signature Date 16,12003 CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name Erin Filsinger Date October 16, 2003 Signature

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Application of:

Date: October 16, 2003

GOPICHANDRA SURNILLA

Serial No.

10/625,759

Filed

July 22, 2003

For

CONTROL SYSTEM FOR ENGINE COOLING

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §§ 1.56, 1.97, and 1.98

Applicant is submitting this Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98 to disclose to the Patent Office the patents, publications, applications, and/or other references listed on the enclosed, completed PTO-1449 forms. The filing of this Information Disclosure Statement should not be construed as a representation that a search has been made or as an admission that the listed references are prior art for this application. Applicant respectfully requests that the listed references be expressly considered during prosecution of the application, and that the references be made of record therein and appear among the "references cited" on any patents issuing therefrom.

#### CONTENT OF DISCLOSURE

This Information Disclosure Statement includes (1) two pages of PTO-1449 forms, and (2) a legible copy of each foreign and non-patent reference, if any, listed on the forms. However, because this application was filed on or after July 1, 2003, no copies of U.S. patents or published U.S. patent applications are included.

## TIMING OF DISCLOSURE / FEE INFORMATION

This Information Disclosure Statement is being filed either (1) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. § 1.53(d) or (2) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application. Therefore, in accordance with 37 C.F.R. § 1.97(b), no fee or statement under 37 C.F.R. § 1.97(e) is required.

Please contact the undersigned with any questions or comments regarding this Information Disclosure Statement.

#### **CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on October 16, 2003

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			APPLICANT Gopichandra Surnilla									
			FILING DATE July 22, 2003			GROUP ART UNIT						
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		OTHE	R DO	CUMENTS								
WSEWOLOD HNATCZUK et al., "Parasitic Loss Reduction for 21 <sup>st</sup> Century Trucks", SAE Technical Paper Series No. 2000-01-3423, December 4-6, 2000.												
	MATTHIEU CHANFREAU et al., "Advanced Engine Cooling Thermal Management System on a Dual Voltage 42V-14V Minivan", SAE Technical Paper Series No. 2001-01-1742, May 14-17, 2001.											
	SHINICHI FUJII et al., Journal Article Abstract, "Development of High-Efficiency Electric Fuel Pump", SAE Papers, February 1, 2002.											
	TERUFUMI MIYAZAKI et al., Journal Article Abstract, "New Technology of Automatic Transmission for Improving Fuel Economy", SAE Papers, September 1, 2002.											
	I.S. LARMAN, "Choosing the Drive System for the Right Application", European Conference on Electrics Versus Hydraulics Versus Pneumatics, ImechE Conference Publications 1985-11, October 22, 1985.											
	JOHN R. WAGNER et al., "Coolant Flow Control Strategies for Automotive Thermal Management Systems", SAE Technical Paper Series No. 2002-01-0713, March 4-7, 2002.											
	SKI MILBURN, "Integration of Advanced Functions into Electric Drivetrains", No. 96C050											
	ALEXANDRE CHOUKROUN et al., "Automatic Control of Electronic Actuators for an Optimized Engine Cooling Thermal Management", SAE Technical Paper Series No. 2001-01-1758 (Reprinted from: The Proceedings of the 2001 Vehicle Thermal Managements Systems Conference), May 14-17, 2001.											
	C. J. BRACE et al., "Integrated Cooling Systems for Passenger Vehicles", SAE Technical Paper Series No. 2001-01-1248 (Reprinted from: Thermal Systems Management and Heat Exchangers), March 5-8, 2001.											
EXAMINER				DATE CONSIDERED								



DOCKET NUMBER FORM PTO-1449 APPLICATION NUMBER 203-0484 10/625,759 INFORMATION DISCLOSURE APPLICANT CITATION IN AN APPLICATION Gopichandra Surnilla FILING DATE **GROUP ART UNIT** July 22, 2003 **U.S. PATENT DOCUMENTS** DOCUMENT NAME CLASS SUB FIL. DATE EXAMINER NUMBER CLASS IF APPROP. INITIAL FOREIGN PATENT DOCUMENTS COUNTRY CLASS SUB TRANSLATION DOCUMENT DATE **CLASS** NUMBER YES NO **OTHER DOCUMENTS** VALEO, "Engine Cooling: Our Expertise", www.valeo.com/gb/activities/engine cooling/themis bene 1.asp, March 17, 2003. MATTHIEU CHANFREAU et al., "The Need for an Electrical Water Valve in a THErmal Management Intelligent System (THEMIS™)", SAE Technical Paper Series No. 2003-01-0274 (Reprinted from: Thermal Management), March 3-6, 2003. JOËL MAURIN et al., "Minipump for Two-Phase Cooling Loop", SAE Technical Paper Series No. 2000-01-2374, July 10-13, 2000. J. R. WAGNER et al., "Thermal Modeling of Engine Components for Temperature Prediction and Fluid Flow Regulation", SAE Technical Papers Series No. 2001-01-1014, March 5-8, 2001. DATE CONSIDERED **EXAMINER**